

Dina Navon

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PROFESSIONAL APPOINTMENTS

Rutgers University	Fall 2020
Postdoctoral fellowship , NIH IRACDA/INSPIRE Fellowship, Dr. Tetsuya Nakamura	
University of California Riverside/University of Calgary	Spring 2019
Postdoctoral fellowship , NSF EAGER Fellowship, Drs. Tim Higham & Sean Rogers	

EDUCATION

University of Massachusetts Amherst	Fall 2013
Doctor of Philosophy , Organismic and Evolutionary Biology	
GPA: 4.0 <u>Relevant Coursework</u> : Ecology, Evolution, Analysis of Environmental Data, Science Communication, Public Engagement and Communication, Geometric Morphometrics (Audit)	
Clark University, Worcester, MA	Fall 2009
Bachelor of Science , Biology	
GPA: 3.22 <u>Relevant Coursework</u> : Genomics, Ecology, Molecular & Evolutionary Systematics, Advanced Biostatistics, Evolutionary Developmental Biology, Health in the Urban Environment, Conservation & Effective Practice, Evolution, Genetics, Microbiology, Quantitative Methods in Biology	

PUBLICATIONS

- Navon, D.**, Male, I., Olearczyk, N., Karlstrom, R.O., & Albertson, R.C. 2020. In Review. Underlying flexible stems – Hedgehog signaling mediates craniofacial plasticity in teleosts. *PNAS*.
- Navon, D.**, Hatini, P., Zogbaum, L., & Albertson, R.C. 2020. Submitted. The genetic basis of coordinated plasticity across functional units in a Lake Malawi cichlid mapping population. *Evolution*.
- Navon, D.**, Olearczyk, N., & Albertson, R.C. 2017. Genetic modularity and divergent Wnt signaling promote species divergence in Malawi cichlids. *Molecular Ecology* 26: 291-303.
- Navon, D.** 2017. Digest: Mediating the impact of integration in Malagasy cichlids. *Evolution* 71.9: 2273:2274.
- Parsons, K.J., Concannon, M.R., **Navon, D.**, Wang, J., Ea, I., Groveas, K., Campbell, C., & Albertson, R.C. 2016. Foraging environment determines the genetic architecture and evolutionary potential of trophic morphology. *Molecular Ecology* 25: 6012-2023.

AWARDS AND FELLOWSHIPS

Graduate School Research Grant , University of Massachusetts Amherst	Spring 2018
Irwin Martin Award , Organismic & Evolutionary Biology at University of Massachusetts Amherst	Spring 2018
Grant in aid of Research , Society for Integrative and Comparative Biology	Winter 2017
Science Journalism Internship , Society for Integrative and Comparative Biology	Winter 2017
CNS Teaching Fellowship , University of Massachusetts Amherst	Fall 2016
Summer Biology Graduate Research Fellowship , University of Massachusetts Amherst	Summer 2016

RESEARCH PRESENTATIONS

“Behavioral Variation in Feeding Strikes Across Prey Type in Four Populations of Threespine Stickleback” <i>Society for Integrative and Comparative Biology</i> , Austin, TX	Winter 2020
“Investigating the Genetic Basis of and Plasticity in Ecologically Relevant Phenotypes in African Cichlids” <i>University of Calgary Biological Science</i> , Calgary, CA	Spring 2019
“Genetic architecture of coordinated plastic responses across different traits in African cichlids” <i>Society for Integrative and Comparative Biology</i> , Tampa, FL	Winter 2019
“Behind flexible stems: Exploring the evolution and molecular basis of craniofacial plasticity in teleosts” <i>European Society for Evolutionary Developmental Biology</i> , Galway, IE	Summer 2018
“Genetic architecture of coordinated plastic responses across different traits in African cichlids” <i>European Society for Evolutionary Developmental Biology</i> , Galway, IE	Summer 2018
“Evaluating the molecular basis for load-induced phenotypic plasticity in teleosts” <i>Society for Integrative and Comparative Biology</i> , San Francisco, CA	Winter 2018
“Probing the genetic basis of craniofacial plasticity using cichlids and zebrafish” <i>Pan American Society for Evolutionary Developmental Biology</i> , Calgary, AB	Summer 2017
“Evaluating changes in zebrafish bone deposition rates across benthic and pelagic diets” <i>Society for Integrative and Comparative Biology</i> , New Orleans, LA	Winter 2017

TEACHING EXPERIENCE

- Laboratory Teaching Assistant**, Comparative Vertebrate Anatomy
University of Massachusetts Amherst
Fall 2018
- ✦ Organize, plan, and execute all laboratory content, including short weekly lectures and quizzes
 - ✦ Write, proctor, and grade laboratory examinations
 - ✦ Perform and assist with all dissections on all specimens (Squalus, Necturus, mustelid, etc.)
- Laboratory Teaching Assistant**, Adaptation & the Organism
Amherst College
Spring 2018
- ✦ Demonstrate new techniques & answer student questions
 - ✦ Provide feedback & grading on all written lab reports
 - ✦ Attend weekly TA meetings and serve as a role model for the undergraduate TAs
- Instructor**, Science Communication, Interdisciplinary Life Sciences Programs
University of Massachusetts Amherst
Spring 2017-2018
- ✦ Designed and implemented a one-credit graduate level seminar on science communication
 - ✦ Recruited guest experts through the Office of Professional Development to speak on topics like “Narrative Structure” or “Communicating with Industry”
 - ✦ Provided detailed feedback on all assignments and presentations
- CNS Teaching Fellow**, Bioethics, College of Natural Sciences
University of Massachusetts Amherst
Fall 2016
- ✦ Designed all components of a one-credit first year seminar on bioethics
 - ✦ Acted as instructor of record for that course
 - ✦ Participated in weekly TO meetings
 - ✦ Executed a Teaching-As-Research CIRTl Practitioner project
 - ✦ Presented on findings from Practitioner project to the CIRTl network
- Teaching Assistant**, Junior Year Writing, College of Natural Sciences
University of Massachusetts Amherst
Spring 2015-2016
- ✦ Provided feedback on and graded all assignments, including resumes, cover letters, personal statements, annotated bibliographies, and research papers
 - ✦ Answered questions related to the content and format of above assignments
 - ✦ Assisted course instructors during key lectures

SCIENCE COMMUNICATION EXPERIENCE

- President**, Science Café, Organismic and Evolutionary Biology
Spring 2016- 2018
- ✦ Continue serving as head of public relations
 - ✦ Organize and lead weekly planning meetings
 - ✦ Restructure and improve group’s WordPress-based website
 - ✦ Film and edit event videos using professional video cameras and FinalCutPro
- Contributing Author**, That’s Life [Science], thatslifesci.com
Spring 2016-2018
- ✦ Draft two blog posts each semester and at least one over the summer
 - ✦ Edit other authors’ posts for content, grammar, style, and formatting
 - ✦ Maintain an active presence on the blog’s Facebook page
- Editor**, GWIS Quarterly Magazine, Graduate Women in STEM
Spring 2015-2017
- ✦ Edit all magazine articles
 - ✦ Write an article for each issue
 - ✦ Organize annual special editions featuring content from audience
 - ✦ Format magazine using Adobe InDesign
- Contributing Author**, Oceanbites, Oceanbites.org
Fall 2015-2016
- ✦ Draft summaries of technical, recent research papers intended for general adult audiences
 - ✦ Edit other authors’ posts for content, grammar, style, and formatting
 - ✦ Brainstorm ideas for monthly theme weeks

Public Relations Manager, Science Café, Organismic and Evolutionary Biology

Winter 2014-2016

- ✦ Attend weekly planning meetings which involve brainstorming for speakers, titles, blurbs, and funding sources
- ✦ Organize and execute monthly outreach events, occasionally serving as the interviewer for the event
- ✦ Advertise events across multiple social media platforms, including Facebook and Twitter
- ✦ Create short video blogs to expand on event content

LEADERSHIP AND MENTORING EXPERIENCE

Graduate Student Representative, Biology Department Workplace Climate Committee

Spring 2018-2019

University of Massachusetts Amherst

- ✦ Assess current practices for creating an inclusive workplace climate for graduate students
- ✦ Design new procedures & propose interventions to advance a positive workplace climate for all department cohorts, including undergraduate students, tenure- and non-tenure track faculty, and staff
- ✦ Consult with the department head on workplace climate, including issues related to diversity, inclusivity, implicit bias, and cross-cultural awareness

OEB Graduate Student Representative, CNS Graduate Director of Diversity & Inclusion Search

Winter 2017

University of Massachusetts Amherst

- ✦ Draft and distribute the search advertisement for a newly-created position aimed at promoting a diverse and inclusive workplace for graduate students & post-doctoral fellows within the college
- ✦ Plan and execute all candidate interviews
- ✦ Make hiring recommendations

Graduate Student Representative, University Writing Committee (UWC)

Fall 2014-Fall 2018

University of Massachusetts Amherst

- ✦ Attend monthly UWC meetings
- ✦ Review Freshman and Junior Year Writing course syllabi across all university departments
- ✦ Review Junior Year Writing program criteria

Honors Thesis Committee Member, Maya Gelbard

Fall 2015-2016

- ✦ Graded and provided feedback on final proposal and thesis along with Alex Gerson, the primary research advisor on the project
- ✦ Taught several molecular techniques, including PCR amplification, gel electrophoresis, and qPCR

Communications Committee Chairwoman, Graduate Women in STEM

Spring 2014-2016

University of Massachusetts Amherst

- ✦ Attended monthly executive board meetings and led monthly communications committee meetings
- ✦ Organized book club meetings centered around principles of science communication (e.g. “Don’t Be Such a Scientist”, “Escape from the Ivory Tower”)
- ✦ Planned and led a 90-minute Improv workshop directed at scientists
- ✦ Created and distributed event advertisements for other GWIS committees

PANEL/GUEST SPEAKER APPEARANCES

Plasticity in Fish, Tim Higham’s Biology of Marine Fishes students at BMSC

Summer 2019

Panel on Graduate School, Bruce Byers’ BioTap students at UMass

Spring 2016 & 2017

Science Communication Workshop, Craig Albertson’s Junior Fellows group at UMass

Fall 2016 & 2017

Science, Media, and the 2016 Election, Tom Reid’s Media & Politics class at Swampscott High School

Fall 2016

Advice on Science Blogging, Norman Johnson’s Writing in Biology Class at UMass

Spring 2016

Panel on Graduate School, Craig Albertson’s Junior Fellows group at UMass

Fall 2015